

In the Claims

Claims 1 – 14 (Cancelled)

15. (Currently Amended) A reinforcing carbon fiber substrate characterized in that said reinforcing carbon fiber substrate includes a reinforcing carbon fiber yarn group arranged with reinforcing carbon fiber yarns having a yield of 350 to 3,500 tex in parallel to each other in a warp-direction and a weft-direction auxiliary yarn group formed by auxiliary yarns extending in a direction across said reinforcing carbon fiber yarns and having a yield of 1 % or less of the yield of said reinforcing carbon fiber yarn, and having a yield of 82 tex or less, and a powder-interlamina-toughening resin material is provided at 2 to 17 % by weight at least on a surface of said reinforcing carbon fiber substrate.

16. (Currently Amended) The reinforcing carbon fiber substrate according to claim 15, wherein said substrate has a warp-direction auxiliary yarn group formed by auxiliary yarns extending in a direction parallel to said reinforcing carbon fiber yarns, and the yield of the auxiliary yarn forming said warp-direction auxiliary yarn group is 20 % or less of the yield of said reinforcing carbon fiber yarn.

17. (Currently Amended) The reinforcing carbon fiber substrate according to claim 15, wherein said substrate has a warp-direction auxiliary yarn group formed by auxiliary yarns extending in a direction parallel to said reinforcing carbon fiber yarns, a weft-direction auxiliary yarn group is disposed on each surface of said substrate, and said substrate is formed as a uni-directional noncrimp woven fabric the weave structure of which is formed by auxiliary yarns forming said warp-direction auxiliary yarn group and auxiliary yarns forming said weft-direction auxiliary yarn group.

18. (Currently Amended) The reinforcing carbon fiber substrate according to claim 16, wherein a mean gap between adjacent reinforcing carbon fiber yarns is in a range of 0.1 to 1 mm, and sizing of collecting treatment is performed on auxiliary yarns forming said warp-direction auxiliary yarn group.

19. (Currently Amended) The reinforcing carbon fiber substrate according to claim 15, wherein said powder-interlamina-toughening resin material is studded on a surface of said reinforcing carbon fiber substrate, a mean diameter of said studded resin material on the surface of said reinforcing carbon fiber substrate, viewed in plane, is 1 mm or less, and a mean height of said studded resin material from the surface of said reinforcing carbon fiber substrate is in a range of 5 to 250 μm .

Claims 20 – 21 (Cancelled)

22. (Currently Amended) The reinforcing carbon fiber substrate according to claim 15, wherein, when a composite material having a reinforcing carbon fiber volume fraction of 53 to 65 % is molded, the composite material satisfies at least two of the following properties (a) to (d):

(a) a compressive strength at a room temperature after impact at an impact energy of 6.67 J/mm determined by a method defined in SACMA-SRM-2R-94 is 240 MPa or more;

(b) a non-hole compressive strength at a room temperature using a laminate having a lamination structure defined in SACMA-SRM-3R-94 is 500 MPa or more;

(c) a 0° compressive strength at a room temperature determined by a method defined in SACMA-SRM-1R-94 is 1,350 MPa or more, and a 0° compressive strength at a

high temperature after a hot/wet conditioning determined by the method is 1,100 MPa or more; and

(d) an open-hole compressive strength at a room temperature determined by a method defined in SACMA-SRM-3R-94 is 270 MPa or more, and an open-hole compressive strength at a high temperature after a hot/wet conditioning determined by the method is 215 MPa or more.

23. (Currently Amended) The reinforcing carbon fiber substrate according to claim 15, wherein said substrate is a reinforcing fiber substrate used for vacuum assisted injection molding.

24. (Currently Amended) The reinforcing carbon fiber substrate according to claim 15, wherein said substrate is used for formation of a perform in which a plurality of substrates are stacked and integrated.

Claims 25 - 45 (Cancelled)